

A. Party 12

Serial No. 09/671,918

CLAIMS AMENDMENT

No claim is amended in the present amendment.

Claims 1-24 (cancelled)

- 1 25. (previously presented) A system comprising:
2 a plurality of transmitters, each of which is for transmitting intermittently: (a) routine
3 transmissions, at first time intervals, and (b) urgent transmissions, in response to urgency, at transmission
4 opportunities at second time intervals; wherein each of said plurality of transmitters is for transmitting
5 independently of any receiver for receiving any of said transmissions and independently of any of said
6 plurality of transmitters, and
7 a receiver for holding, simultaneously for each of said plurality of transmitters, data indicative of:
8 an expected time of at least one future transmission opportunity.
- 9 26. (previously presented) The system of claim 25 wherein transmission frequency of said routine
10 transmissions is controlled according to a first sequence, and frequency of said transmission opportunities is
11 controlled according to a second sequence, and said first sequence is synchronized with said second
12 sequence.
- 13 27. (previously presented) The system of claim 25 wherein said routine transmissions and said
14 urgent transmissions are transmitted at varied transmissions frequencies and said receiver is, further, for
15 holding simultaneously for each of said plurality of transmitters, data indicative of an expected frequency of
16 said at least one future transmission opportunity.
- 17 28. (previously presented) The system of claim 27 wherein said receiver is, further, for holding
18 simultaneously for each of said plurality of transmitters, data indicative of an expected time and an expected
19 frequency of said at least one future routine transmission.
- 20 29. (previously presented) The system of claim 25 wherein said routine transmissions are
21 synchronized with said transmission opportunities.
- 1 30. (previously presented) A method comprising:
2 transmitting intermittently, by each of a plurality of transmitters: (a) routine transmissions, at first
3 time intervals, and (b) urgent transmissions, in response to urgency, at transmission opportunities at second
4 time intervals; wherein said transmissions are independent of any receiver for receiving any of said
5 transmissions and independent of any of said plurality of transmitters, and

A. Partyka 12

Serial No. 09/671,918

6 holding, in a receiver, simultaneously for each of said plurality of transmitters, data indicative of: an
7 expected time of at least one future transmission opportunity.

8 31. (previously presented) The method of claim 30 wherein transmission frequency of said routine
9 transmissions is controlled according to a first sequence, and frequency of said transmission opportunities is
10 controlled according to a second sequence, and said first sequence is synchronized with said second
11 sequence.

12 32. (previously presented) The method of claim 30 wherein said routine transmissions and said
13 urgent transmissions are transmitted at varied transmissions frequencies and said receiver is, further, for
14 holding simultaneously for each of said plurality of transmitters, data indicative of an expected frequency of
15 said at least one future transmission opportunity.

16 33. (previously presented) The method of claim 32 wherein said receiver is, further, for holding
17 simultaneously for each of said plurality of transmitters, data indicative of an expected time and an expected
18 frequency of said at least one future routine transmission.

19 34. (previously presented) The method of claim 30 wherein said routine transmissions are
20 synchronized with said transmission opportunities.

1 35. (previously presented) A receiver comprising:

2 logic for holding, simultaneously for each plurality of transmission opportunities, data indicative
3 of an expected time of at least one future transmission opportunity, wherein each said plurality of
4 transmission opportunities is for a different one of a plurality of transmitters, and wherein each of said
5 plurality of transmitters is for transmitting intermittently (a) routine transmissions, at time intervals, and
6 (b) urgent transmissions, in response to urgency, at at least one of said transmission opportunities,
7 wherein each of said plurality of transmitters is for transmitting independently of any receiver for
8 receiving any of said transmissions and independently of any other of said plurality of transmitters.

9 36. (previously presented) The receiver of claim 35 wherein said receiver is, further, for holding
10 simultaneously for each of said plurality of transmitters, data indicative of an expected frequency of said
11 at least one future transmission opportunity, wherein said routine transmissions and said urgent
12 transmissions are transmitted at varied transmissions frequencies., and

13 said receiver further comprises a frequency selective circuit for receiving said transmissions.

1 37. (previously presented) The receiver of claim 36 wherein, in operation, for each of said
2 plurality of transmitters, said receiver changes frequency of said frequency selective circuit to said
3 expected frequency of said at least one transmission opportunity at such time relative to said expected

Serial No. 09/671,918

A. Partyka 12

4 time of said at least one transmission opportunity to receive and demodulate, when it occurs, said at least
5 one urgent transmission.

6 38. (previously presented) The receiver of claim 35 wherein said logic is, further, for holding
7 simultaneously for each of said plurality of transmitters, data indicative of an expected time and an
8 expected transmission frequency of at least one future routine transmission.

1 39. (previously presented) The receiver of claim 35 wherein said receiver detects a difference
2 between an actual and an expected transmission time of said routine transmissions, and wherein said
3 receiver utilizes said difference to determine an expected time of a future transmission opportunity.

4 40. (previously presented) The receiver of claim 35 wherein, said receiver determines frequency
5 of at least one future transmission opportunity based on frequency of at least one routine transmission.

1 41. (previously presented) The receiver of claim 35 wherein, said receiver determines at least one
2 of: (a) time of at least one future transmission opportunity and (b) frequency of at least one future
3 transmission opportunity based on data included in at least one routine transmission.

1 42. (previously presented) A plurality of transmitters, each of which comprises:

2 a circuit for transmitting intermittently: (a) routine transmissions, at first time intervals, and (b)
3 urgent transmissions, in response to urgency, at transmission opportunities at second time intervals, and

4 wherein each of said plurality of transmitters is for transmitting independently of any receiver for
5 receiving any of said transmissions and independently of any other of said plurality of transmitters.

6 43. (previously presented) The plurality of transmitters of claim 42 wherein transmission frequency
7 of said routine transmissions is controlled according to a first sequence, and frequency of said transmission
8 opportunities is controlled according to a second sequence, and said first sequence is synchronized with said
9 second sequence.

10 44. (previously presented) The plurality of transmitters of claim 42 wherein said transmission
11 opportunities are synchronized with said routine transmissions.

12 45. (previously presented) The plurality of transmitters of claim 42 wherein each of said plurality
13 of transmitters controls transmission frequency and time according to a frequency-time sequence that is
14 different for each of said plurality of transmitters.

15 46. (previously presented) The plurality of transmitters of claim 42 wherein each of said plurality
16 of transmitters includes, in at least a portion of said routine transmissions, data indicative of
17 synchronization information for at least a portion of future transmission opportunities.

A. Partyka 12

Serial No. 09/671,918

18 47. (previously presented) The plurality of transmitters of claim 42 wherein each of said plurality
19 of transmitters varies frequency for said routine transmissions and said transmission opportunities.

20 48. (previously presented) The plurality of transmitters of claim 42 wherein each of said plurality
21 of transmitters includes, in at least a portion of said routine transmissions, data indicative of a sequence
22 for controlling at least one of: (a) frequency, and (b) time, for at least a portion of future transmission
23 opportunities.

24 49. (previously presented) A transmitter comprising:
25 a circuit for transmitting intermittently and at various transmission frequencies: (a) routine
26 transmissions, at first time intervals, and (b) urgent transmissions, in response to urgency, at transmission
27 opportunities at second time intervals, and

28 logic for controlling frequency and time for said transmission opportunities and said routine
29 transmissions independently of any receiver for receiving any of said transmissions.

30 50. (previously presented) The transmitter of claim 49 wherein transmission frequency of said
31 routine transmissions is controlled according to a first sequence, and frequency of said transmission
32 opportunities is controlled according to a second sequence, and said first sequence is synchronized with
33 said second sequence.

34 51. (previously presented) The transmitter of claim 49 wherein said transmission opportunities
35 are synchronized with said routine transmissions.

36 52. (previously presented) The transmitter of claim 49 wherein said transmitter includes, in at
37 least a portion of said routine transmissions, data indicative of synchronization information for at least a
38 portion of future transmission opportunities.

39 53. (previously presented) The transmitter of claim 49 wherein said transmitter includes, in at
40 least a portion of said routine transmissions, data indicative of a sequence for controlling at least one of:
41 (a) frequency, and (b) time, for at least a portion of future transmission opportunities.